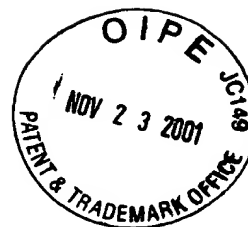


SEQUENCE LISTING



<110> Young, James
Scott, Koenig
Leslie, Johnson

<120> Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxis
and Treatment

<130> 10271-007

<140> 09/724,396

<141> 2000-11-28

<160> 204

<170> PatentIn version 3.1

<210> 1

<211> 7

<212> PRT

<213> Homo sapiens

<400> 1

Thr Ser Gly Met Ser Val Gly
1 5

<210> 2

<211> 16

<212> PRT

<213> Homo sapiens

<400> 2

Asp Ile Trp Trp Asp Asp Lys Lys Asp Tyr Asn Pro Ser Leu Lys Ser
1 5 10 15

<210> 3

<211> 10

<212> PRT

<213> Homo sapiens

<400> 3

Ser Met Ile Thr Asn Trp Tyr Phe Asp Val
1 5 10

<210> 4

<211> 10

<212> PRT

<213> Homo sapiens

<400> 4

Lys Cys Gln Leu Ser Val Gly Tyr Met His
1 5 10

<210> 5

<211> 7

<212> PRT

<213> Homo sapiens

<400> 5

Asp Thr Ser Lys Leu Ala Ser
1 5

RECEIVED

NOV 27 2001

TECH CENTER 1600/2900

<210> 6
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 6
 Phe Gln Gly Ser Gly Tyr Pro Phe Thr
 1 5

<210> 7
 <211> 120
 <212> PRT
 <213> Homo sapiens

<400> 7
 Gln Val Thr Leu Arg Glu Ser Gly Pro Ala Leu Val Lys Pro Thr Gln
 1 5 10 15
 Thr Leu Thr Leu Thr Cys Thr Phe Ser Gly Phe Ser Leu Ser Thr Ser
 20 25 30
 Gly Met Ser Val Gly Trp Ile Arg Gln Pro Pro Gly Lys Ala Leu Glu
 35 40 45
 Trp Leu Ala Asp Ile Trp Trp Asp Asp Lys Lys Asp Tyr Asn Pro Ser
 50 55 60
 Leu Lys Ser Arg Leu Thr Ile Ser Lys Asp Thr Ser Lys Asn Gln Val
 65 70 75 80
 Val Leu Lys Val Thr Asn Met Asp Pro Ala Asp Thr Ala Thr Tyr Tyr
 85 90 95
 Cys Ala Arg Ser Met Ile Thr Asn Trp Tyr Phe Asp Val Trp Gly Ala
 100 105 110
 Gly Thr Thr Val Thr Val Ser Ser
 115 120

<210> 8
 <211> 106
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> VL Domain

<400> 8
 Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly
 1 5 10 15
 Asp Arg Val Thr Ile Thr Cys Lys Cys Gln Leu Ser Val Gly Tyr Met
 20 25 30
 His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
 35 40 45
 Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
 50 55 60

Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Phe Gln Gly Ser Gly Tyr Pro Phe Thr
85 90 95

Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
100 105

<210> 9
<211> 120
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> VH Domain

<400> 9
Gln Val Thr Leu Arg Glu Ser Gly Pro Ala Leu Val Lys Pro Thr Gln
1 5 10 15

Thr Leu Thr Leu Thr Cys Thr Phe Ser Gly Phe Ser Leu Ser Thr Ala
20 25 30

Gly Met Ser Val Gly Trp Ile Arg Gln Pro Pro Gly Lys Ala Leu Glu
35 40 45

Trp Leu Ala Asp Ile Trp Trp Asp Asp Lys Lys Asp Tyr Asn Pro Ser
50 55 60

Leu Lys Ser Arg Leu Thr Ile Ser Lys Asp Thr Ser Lys Asn Gln Val
65 70 75 80

Val Leu Lys Val Thr Asn Met Asp Pro Ala Asp Thr Ala Thr Tyr Tyr
85 90 95

Cys Ala Arg Ser Met Ile Thr Asn Phe Tyr Phe Asp Val Trp Gly Ala
100 105 110

Gly Thr Thr Val Thr Val Ser Ser
115 120

<210> 10
<211> 7
<212> PRT
<213> Homo sapiens

<400> 10
Thr Ala Gly Met Ser Val Gly
1 5

<210> 11
<211> 10
<212> PRT
<213> Homo sapiens

<400> 11
Ser Met Ile Thr Asn Phe Tyr Phe Asp Val
1 5 10

<210> 12

<211> 106
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> VL Domain

<400> 12
 Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly
 1 5 10 15
 Asp Arg Val Thr Ile Thr Cys Ser Ala Ser Ser Ser Val Gly Tyr Met
 20 25 30
 His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
 35 40 45
 Asp Thr Phe Lys Leu Ala Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
 50 55 60
 Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp
 65 70 75 80
 Asp Phe Ala Thr Tyr Tyr Cys Phe Gln Gly Ser Phe Tyr Pro Phe Thr
 85 90 95
 Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
 100 105

<210> 13
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 13
 Ser Ala Ser Ser Ser Val Gly Tyr Met His
 1 5 10

<210> 14
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 14
 Asp Thr Phe Lys Leu Ala Ser
 1 5

<210> 15
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 15
 Phe Gln Gly Ser Phe Tyr Pro Phe Thr
 1 5

<210> 16
 <211> 120
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> VH Domain

 <400> 16
 Gln Val Thr Leu Arg Glu Ser Gly Pro Ala Leu Val Lys Pro Thr Gln
 1 5 10 15
 Thr Leu Thr Leu Thr Cys Thr Phe Ser Gly Phe Ser Leu Ser Thr Pro
 20 25 30
 Gly Met Ser Val Gly Trp Ile Arg Gln Pro Pro Gly Lys Ala Leu Glu
 35 40 45
 Trp Leu Ala Asp Ile Trp Trp Asp Asp Lys Lys His Tyr Asn Pro Ser
 50 55 60
 Leu Lys Asp Arg Leu Thr Ile Ser Lys Asp Thr Ser Lys Asn Gln Val
 65 70 75 80
 Val Leu Lys Val Thr Asn Met Asp Pro Ala Asp Thr Ala Thr Tyr Tyr
 85 90 95
 Cys Ala Arg Asp Met Ile Phe Asn Phe Tyr Phe Asp Val Trp Gly Gln
 100 105 110
 Gly Thr Thr Val Thr Val Ser Ser
 115 120

 <210> 17
 <211> 7
 <212> PRT
 <213> Homo sapiens

 <400> 17
 Thr Pro Gly Met Ser Val Gly
 1 5

 <210> 18
 <211> 16
 <212> PRT
 <213> Homo sapiens

 <400> 18
 Asp Ile Trp Trp Asp Asp Lys Lys His Tyr Asn Pro Ser Leu Lys Asp
 1 5 10 15

 <210> 19
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 19
 Asp Met Ile Phe Asn Phe Tyr Phe Asp Val
 1 5 10

 <210> 20
 <211> 106
 <212> PRT
 <213> Homo sapiens

 <220>

<221> misc_feature
<223> VL Domain

<400> 20

Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Ser Leu Ser Ser Arg Val Gly Tyr Met
20 25 30

His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
35 40 45

Asp Thr Phe Tyr Leu Ser Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Phe Gln Gly Ser Gly Tyr Pro Phe Thr
85 90 95

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
100 105

<210> 21
<211> 10
<212> PRT
<213> Homo sapiens

<400> 21

Ser Leu Ser Ser Arg Val Gly Tyr Met His
1 5 10

<210> 22
<211> 7
<212> PRT
<213> Homo sapiens

<400> 22

Asp Thr Phe Tyr Leu Ser Ser
1 5

<210> 23
<211> 120
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> VH Domain

<400> 23

Gln Val Thr Leu Arg Glu Ser Gly Pro Ala Leu Val Lys Pro Thr Gln
1 5 10 15

Thr Leu Thr Leu Thr Cys Thr Phe Ser Gly Phe Ser Leu Ser Thr Pro
20 25 30

Gly Met Ser Val Gly Trp Ile Arg Gln Pro Pro Gly Lys Ala Leu Glu
35 40 45

Trp Leu Ala Asp Ile Trp Trp Asp Gly Lys Lys His Tyr Asn Pro Ser
 50 55 60
 Leu Lys Asp Arg Leu Thr Ile Ser Lys Asp Thr Ser Lys Asn Gln Val
 65 70 75 80
 Val Leu Lys Val Thr Asn Met Asp Pro Ala Asp Thr Ala Thr Tyr Tyr
 85 90 95
 Cys Ala Arg Asp Met Ile Phe Asn Phe Tyr Phe Asp Val Trp Gly Gln
 100 105 110
 Gly Thr Thr Val Thr Val Ser Ser
 115 120

<210> 24
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 24
 Asp Ile Trp Trp Asp Gly Lys Lys His Tyr Asn Pro Ser Leu Lys Asp
 1 5 10 15

<210> 25
 <211> 106
 <212> PRT
 <213> Homo sapiens

<400> 25
 Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly
 1 5 10 15

Asp Arg Val Thr Ile Thr Cys Ser Leu Ser Ser Arg Val Gly Tyr Met
 20 25 30

His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
 35 40 45

Asp Thr Arg Gly Leu Pro Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
 50 55 60

Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Phe Gln Gly Ser Gly Tyr Pro Phe Thr
 85 90 95

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
 100 105

<210> 26
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 26
 Asp Met Ile Thr Asn Phe Tyr Phe Asp Val
 1 5 10

<210> 27
 <211> 7

<212> PRT
<213> Homo sapiens

<400> 27
Asp Thr Arg Gly Leu Pro Ser
1 5

<210> 28
<211> 120
<212> PRT
<213> Homo sapiens

<400> 28
Gln Val Thr Leu Arg Glu Ser Gly Pro Ala Leu Val Lys Pro Thr Gln
1 5 10 15
Thr Leu Thr Leu Thr Cys Thr Phe Ser Gly Phe Ser Leu Ser Thr Pro
20 25 30
Gly Met Ser Val Gly Trp Ile Arg Gln Pro Pro Gly Lys Ala Leu Glu
35 40 45
Trp Leu Ala Asp Ile Trp Trp Asp Gly Lys Lys His Tyr Asn Pro Ser
50 55 60
Leu Lys Asp Arg Leu Thr Ile Ser Lys Asp Thr Ser Lys Asn Gln Val
65 70 75 80
Val Leu Lys Val Thr Asn Met Asp Pro Ala Asp Thr Ala Thr Tyr Tyr
85 90 95
Cys Ala Arg Asp Met Ile Phe Asn Trp Tyr Phe Asp Val Trp Gly Gln
100 105 110
Gly Thr Thr Val Thr Val Ser Ser
115 120

<210> 29
<211> 10
<212> PRT
<213> Homo sapiens

<400> 29
Asp Met Ile Phe Asn Trp Tyr Phe Asp Val
1 5 10

<210> 30
<211> 106
<212> PRT
<213> Homo sapiens

<400> 30
Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly
1 5 10 15
Asp Arg Val Thr Ile Thr Cys Ser Pro Ser Ser Arg Val Gly Tyr Met
20 25 30
His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
35 40 45

Asp Thr Met Arg Leu Ala Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
 50 55 60
 Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp
 65 70 75 80
 Asp Phe Ala Thr Tyr Tyr Cys Phe Gln Gly Ser Gly Tyr Pro Phe Thr
 85 90 95
 Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
 100 105

<210> 31
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 31
 Ser Pro Ser Ser Arg Val Gly Tyr Met His
 1 5 10

<210> 32
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 32
 Asp Thr Met Arg Leu Ala Ser
 1 5

<210> 33
 <211> 120
 <212> PRT
 <213> Homo sapiens

<400> 33
 Gln Val Thr Leu Arg Glu Ser Gly Pro Ala Leu Val Lys Pro Thr Gln
 1 5 10 15

Thr Leu Thr Leu Thr Cys Thr Phe Ser Gly Phe Ser Leu Ser Thr Pro
 20 25 30

Gly Met Ser Val Gly Trp Ile Arg Gln Pro Pro Gly Lys Ala Leu Glu
 35 40 45

Trp Leu Ala Asp Ile Trp Trp Asp Gly Lys Lys His Tyr Asn Pro Ser
 50 55 60

Leu Lys Asp Arg Leu Thr Ile Ser Lys Asp Thr Ser Lys Asn Gln Val
 65 70 75 80

Val Leu Lys Val Thr Asn Met Asp Pro Ala Asp Thr Ala Thr Tyr Tyr
 85 90 95

Cys Ala Arg Asp Met Ile Phe Asn Trp Tyr Phe Asp Val Trp Gly Gln
 100 105 110

Gly Thr Thr Val Thr Val Ser Ser
 115 120

<210> 34
 <211> 106

<212> PRT
<213> Homo sapiens

<400> 34

Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Ser Leu Ser Ser Arg Val Gly Tyr Met
20 25 30

His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
35 40 45

Asp Thr Phe Lys Leu Ser Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Phe Gln Gly Ser Gly Tyr Pro Phe Thr
85 90 95

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
100 105

<210> 35

<211> 7

<212> PRT

<213> Homo sapiens

<400> 35

Asp Thr Phe Lys Leu Ser Ser
1 5

<210> 36

<211> 120

<212> PRT

<213> Homo sapiens

<400> 36

Gln Val Thr Leu Arg Glu Ser Gly Pro Ala Leu Val Lys Pro Thr Gln
1 5 10 15

Thr Leu Thr Leu Thr Cys Thr Phe Ser Gly Phe Ser Leu Ser Thr Ala
20 25 30

Gly Met Ser Val Gly Trp Ile Arg Gln Pro Pro Gly Lys Ala Leu Glu
35 40 45

Trp Leu Ala Asp Ile Trp Trp Asp Gly Lys Lys Asp Tyr Asn Pro Ser
50 55 60

Leu Lys Asp Arg Leu Thr Ile Ser Lys Asp Thr Ser Lys Asn Gln Val
65 70 75 80

Val Leu Lys Val Thr Asn Met Asp Pro Ala Asp Thr Ala Thr Tyr Tyr
85 90 95

Cys Ala Arg Asp Met Ile Phe Asn Phe Tyr Phe Asp Val Trp Gly Gln
100 105 110

Gly Thr Thr Val Thr Val Ser Ser
 115 120

<210> 37
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 37
 Asp Ile Trp Trp Asp Gly Lys Lys Asp Tyr Asn Pro Ser Leu Lys Asp
 1 5 10 15

<210> 38
 <211> 106
 <212> PRT
 <213> Homo sapiens

<400> 38
 Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly
 1 5 10 15

Asp Arg Val Thr Ile Thr Cys Ser Ala Ser Ser Arg Val Gly Tyr Met
 20 25 30

His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
 35 40 45

Asp Thr Phe Lys Leu Ser Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
 50 55 60

Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Phe Gln Gly Ser Gly Tyr Pro Phe Thr
 85 90 95

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
 100 105

<210> 39
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 39
 Ser Ala Ser Ser Arg Val Gly Tyr Met His
 1 5 10

<210> 40
 <211> 120
 <212> PRT
 <213> Homo sapiens

<400> 40
 Gln Val Thr Leu Arg Glu Ser Gly Pro Ala Leu Val Lys Pro Thr Gln
 1 5 10 15

Thr Leu Thr Leu Thr Cys Thr Phe Ser Gly Phe Ser Leu Ser Thr Ala
 20 25 30

Gly Met Ser Val Gly Trp Ile Arg Gln Pro Pro Gly Lys Ala Leu Glu
 35 40 45

Trp Leu Ala Asp Ile Trp Trp Asp Gly Lys Lys Ser Tyr Asn Pro Ser
 50 55 60
 Leu Lys Asp Arg Leu Thr Ile Ser Lys Asp Thr Ser Lys Asn Gln Val
 65 70 75 80
 Val Leu Lys Val Thr Asn Met Asp Pro Ala Asp Thr Ala Thr Tyr Tyr
 85 90 95
 Cys Ala Arg Asp Met Ile Phe Asn Phe Tyr Phe Asp Val Trp Gly Gln
 100 105 110
 Gly Thr Thr Val Thr Val Ser Ser
 115 120

<210> 41
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 41
 Asp Ile Trp Trp Asp Gly Lys Lys Ser Tyr Asn Pro Ser Leu Lys Asp
 1 5 10 15

<210> 42
 <211> 106
 <212> PRT
 <213> Homo sapiens

<400> 42
 Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly
 1 5 10 15

Asp Arg Val Thr Ile Thr Cys Ser Leu Ser Ser Arg Val Gly Tyr Met
 20 25 30

His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
 35 40 45

Asp Thr Met Tyr Gln Ser Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
 50 55 60

Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Phe Gln Gly Ser Gly Tyr Pro Phe Thr
 85 90 95

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
 100 105

<210> 43
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 43
 Asp Thr Met Tyr Gln Ser Ser
 1 5

<210> 44
 <211> 120

<212> PRT
<213> Homo sapiens

<400> 44

Gln Val Thr Leu Arg Glu Ser Gly Pro Ala Leu Val Lys Pro Thr Gln
1 5 10 15
Thr Leu Thr Leu Thr Cys Thr Phe Ser Gly Phe Ser Leu Ser Thr Ala
20 25 30
Gly Met Ser Val Gly Trp Ile Arg Gln Pro Pro Gly Lys Ala Leu Glu
35 40 45
Trp Leu Ala Asp Ile Trp Trp Asp Gly Lys Lys Ser Tyr Asn Pro Ser
50 55 60
Leu Lys Asp Arg Leu Thr Ile Ser Lys Asp Thr Ser Lys Asn Gln Val
65 70 75 80
Val Leu Lys Val Thr Asn Met Asp Pro Ala Asp Thr Ala Thr Tyr Tyr
85 90 95
Cys Ala Arg Asp Met Ile Phe Asn Phe Tyr Phe Asp Val Trp Gly Gln
100 105 110
Gly Thr Thr Val Thr Val Ser Ser
115 120

<210> 45
<211> 16
<212> PRT
<213> Homo sapiens

<400> 45

Asp Ile Trp Trp Asp Asp Lys Lys Ser Tyr Asn Pro Ser Leu Lys Asp
1 5 10 15

<210> 46
<211> 106
<212> PRT
<213> Homo sapiens

<400> 46

Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly
1 5 10 15
Asp Arg Val Thr Ile Thr Cys Ser Pro Ser Ser Arg Val Gly Tyr Met
20 25 30
His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
35 40 45
Asp Thr Met Tyr Gln Ser Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60
Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp
65 70 75 80
Asp Phe Ala Thr Tyr Tyr Cys Phe Gln Gly Ser Gly Tyr Pro Phe Thr
85 90 95

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
 100 105

<210> 47
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 47
 Leu Pro Ser Ser Arg Val Gly Tyr Met His Trp
 1 5 10

<210> 48
 <211> 120
 <212> PRT
 <213> Homo sapiens

<400> 48
 Gln Val Thr Leu Arg Glu Ser Gly Pro Ala Leu Val Lys Pro Thr Gln
 1 5 10 15

Thr Leu Thr Leu Thr Cys Thr Phe Ser Gly Phe Ser Leu Ser Thr Ala
 20 25 30

Gly Met Ser Val Gly Trp Ile Arg Gln Pro Pro Gly Lys Ala Leu Glu
 35 40 45

Trp Leu Ala Asp Ile Trp Trp Asp Asp Lys Lys His Tyr Asn Pro Ser
 50 55 60

Leu Lys Asp Arg Leu Thr Ile Ser Lys Asp Thr Ser Lys Asn Gln Val
 65 70 75 80

Val Leu Lys Val Thr Asn Met Asp Pro Ala Asp Thr Ala Thr Tyr Tyr
 85 90 95

Cys Ala Arg Asp Met Ile Phe Asn Phe Tyr Phe Asp Val Trp Gly Gln
 100 105 110

Gly Thr Thr Val Thr Val Ser Ser
 115 120

<210> 49
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 49
 Asp Thr Phe Tyr Leu Ser Ser
 1 5

<210> 50
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 50
 Asp Thr Leu Leu Leu Asp Ser
 1 5

<210> 51
 <211> 120

<212> PRT
 <213> Homo sapiens

<400> 51
 Gln Val Thr Leu Arg Glu Ser Gly Pro Ala Leu Val Lys Pro Thr Gln
 1 5 10 15
 Thr Leu Thr Leu Thr Cys Thr Phe Ser Gly Phe Ser Leu Ser Thr Ala
 20 25 30
 Gly Met Ser Val Gly Trp Ile Arg Gln Pro Pro Gly Lys Ala Leu Glu
 35 40 45
 Trp Leu Ala Asp Ile Trp Trp Asp Asp Lys Lys Ser Tyr Asn Pro Ser
 50 55 60
 Leu Lys Asp Arg Leu Thr Ile Ser Lys Asp Thr Ser Lys Asn Gln Val
 65 70 75 80
 Val Leu Lys Val Thr Asn Met Asp Pro Ala Asp Thr Ala Thr Tyr Tyr
 85 90 95
 Cys Ala Arg Asp Met Ile Phe Asn Trp Tyr Phe Asp Val Trp Gly Gln
 100 105 110
 Gly Thr Thr Val Thr Val Ser Ser
 115 120

<210> 52
 <211> 106
 <212> PRT
 <213> Homo sapiens

<400> 52
 Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly
 1 5 10 15
 Asp Arg Val Thr Ile Thr Cys Ser Pro Ser Ser Arg Val Gly Tyr Met
 20 25 30
 His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
 35 40 45
 Asp Thr Arg Tyr Gln Ser Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
 50 55 60
 Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp
 65 70 75 80
 Asp Phe Ala Thr Tyr Tyr Cys Phe Gln Gly Ser Gly Tyr Pro Phe Thr
 85 90 95
 Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
 100 105

<210> 53
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 53

Ser Pro Ser Ser Arg Val Gly Tyr Met His Trp
 1 5 10

<210> 54
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 54
 Asp Thr Arg Tyr Gln Ser Ser
 1 5

<210> 55
 <211> 106
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> VL Domain

<400> 55
 Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly
 1 5 10 15
 Asp Arg Val Thr Ile Thr Cys Ser Ala Ser Ser Ser Val Gly Tyr Met
 20 25 30
 His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
 35 40 45
 Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
 50 55 60
 Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp
 65 70 75 80
 Asp Phe Ala Thr Tyr Tyr Cys Phe Gln Gly Ser Gly Tyr Pro Phe Thr
 85 90 95
 Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
 100 105

<210> 56
 <211> 120
 <212> PRT
 <213> Homo sapiens

<400> 56
 Gln Val Thr Leu Arg Glu Ser Gly Pro Ala Leu Val Lys Pro Thr Gln
 1 5 10 15
 Thr Leu Thr Leu Thr Cys Thr Phe Ser Gly Phe Ser Leu Ser Thr Ala
 20 25 30
 Gly Met Ser Val Gly Trp Ile Arg Gln Pro Pro Gly Lys Ala Leu Glu
 35 40 45
 Trp Leu Ala Asp Ile Trp Trp Asp Asp Lys Lys Asp Tyr Asn Pro Ser
 50 55 60

Leu Lys Ser Arg Leu Thr Ile Ser Lys Asp Thr Ser Lys Asn Gln Val
 65 70 75 80
 Val Leu Lys Val Thr Asn Met Asp Pro Ala Asp Thr Ala Thr Tyr Tyr
 85 90 95
 Cys Ala Arg Asp Met Ile Phe Asn Trp Tyr Phe Asp Val Trp Gly Ala
 100 105 110
 Gly Thr Thr Val Thr Val Ser Ser
 115 120

<210> 57
 <211> 106
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> VL Domain

<400> 57
 Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly
 1 5 10 15
 Asp Arg Val Thr Ile Thr Cys Ser Ala Ser Ser Ser Val Gly Tyr Met
 20 25 30
 His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
 35 40 45
 Asp Thr Phe Lys Leu Ala Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
 50 55 60
 Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp
 65 70 75 80
 Asp Phe Ala Thr Tyr Tyr Cys Phe Gln Gly Ser Gly Tyr Pro Phe Thr
 85 90 95
 Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
 100 105

<210> 58
 <211> 106
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> VL Domain

<400> 58
 Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly
 1 5 10 15
 Asp Arg Val Thr Ile Thr Cys Ser Ala Ser Ser Ser Val Gly Tyr Met
 20 25 30
 His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
 35 40 45

Asp Thr Tyr Lys Gln Thr Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
 50 55 60

Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Phe Gln Gly Ser Gly Tyr Pro Phe Thr
 85 90 95

Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
 100 105

<210> 59
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 59
 Asp Thr Tyr Lys Gln Thr Ser
 1 5

<210> 60
 <211> 106
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> VL Domain

<400> 60
 Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly
 1 5 10 15

Asp Arg Val Thr Ile Thr Cys Ser Ala Ser Ser Ser Val Gly Tyr Met
 20 25 30

His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
 35 40 45

Asp Thr Arg Tyr Leu Ser Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
 50 55 60

Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Phe Gln Gly Ser Gly Tyr Pro Phe Thr
 85 90 95

Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
 100 105

<210> 61
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 61
 Asp Thr Arg Tyr Leu Ser Ser
 1 5

<210> 62

<211> 106
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> VL Domain

<400> 62
 Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly
 1 5 10 15
 Asp Arg Val Thr Ile Thr Cys Ser Ala Ser Ser Ser Val Gly Tyr Met
 20 25 30
 His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
 35 40 45
 Asp Thr Phe Lys Leu Thr Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
 50 55 60
 Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp
 65 70 75 80
 Asp Phe Ala Thr Tyr Tyr Cys Phe Gln Gly Ser Gly Tyr Pro Phe Thr
 85 90 95
 Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
 100 105

<210> 63
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 63
 Asp Thr Phe Lys Leu Thr Ser
 1 5

<210> 64
 <211> 106
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> V1 Domain

<400> 64
 Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly
 1 5 10 15
 Asp Arg Val Thr Ile Thr Cys Ser Ala Ser Ser Arg Val Gly Tyr Met
 20 25 30
 His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
 35 40 45
 Asp Thr Phe Lys Leu Ala Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
 50 55 60

Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Phe Gln Gly Ser Gly Tyr Pro Phe Thr
85 90 95

Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
100 105

<210> 65
<211> 106
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> VL Domain

<400> 65
Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Ser Ala Ser Ser Ser Val Gly Tyr Met
20 25 30

His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
35 40 45

Asp Thr Phe Arg Leu Ala Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Phe Gln Gly Ser Gly Tyr Pro Phe Thr
85 90 95

Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
100 105

<210> 66
<211> 7
<212> PRT
<213> Homo sapiens

<400> 66
Asp Thr Phe Arg Leu Ala Ser
1 5

<210> 67
<211> 120
<212> PRT
<213> Homo sapiens

<400> 67
Gln Val Thr Leu Arg Glu Ser Gly Pro Ala Leu Val Lys Pro Thr Gln
1 5 10 15

Thr Leu Thr Leu Thr Cys Thr Phe Ser Gly Phe Ser Leu Ser Thr Ala
20 25 30

Gly Met Ser Val Gly Trp Ile Arg Gln Pro Pro Gly Lys Ala Leu Glu
 35 40 45
 Trp Leu Ala Asp Ile Trp Trp Asp Asp Lys Lys His Tyr Asn Pro Ser
 50 55 60
 Leu Lys Asp Arg Leu Thr Ile Ser Lys Asp Thr Ser Lys Asn Gln Val
 65 70 75 80
 Val Leu Lys Val Thr Asn Met Asp Pro Ala Asp Thr Ala Thr Tyr Tyr
 85 90 95
 Cys Ala Arg Asp Met Ile Phe Asn Trp Tyr Phe Asp Val Trp Gly Ala
 100 105 110
 Gly Thr Thr Val Thr Val Ser Ser
 115 120

<210> 68
 <211> 106
 <212> PRT
 <213> Homo sapiens

<400> 68
 Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly
 1 5 10 15
 Asp Arg Val Thr Ile Thr Cys Ser Ala Ser Ser Ser Val Gly Tyr Met
 20 25 30
 His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
 35 40 45
 Asp Thr Tyr Arg His Ala Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
 50 55 60
 Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp
 65 70 75 80
 Asp Phe Ala Thr Tyr Tyr Cys Phe Gln Gly Ser Gly Tyr Pro Phe Thr
 85 90 95
 Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
 100 105

<210> 69
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 69
 Asp Thr Tyr Arg His Ser Ser
 1 5

<210> 70
 <211> 106
 <212> PRT
 <213> Homo sapiens

<400> 70
 Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly
 1 5 10 15

Asp Arg Val Thr Ile Thr Cys Ser Leu Ser Ser Ser Val Gly Tyr Met
 20 25 30
 His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
 35 40 45
 Asp Thr Phe Phe His Arg Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
 50 55 60
 Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp
 65 70 75 80
 Asp Phe Ala Thr Tyr Tyr Cys Phe Gln Gly Ser Gly Tyr Pro Phe Thr
 85 90 95
 Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
 100 105

<210> 71
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 71
 Ser Leu Ser Ser Ser Val Gly Tyr Met His
 1 5 10

<210> 72
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 72
 Asp Thr Phe Phe His Arg Ser
 1 5

<210> 73
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 73
 Ser Ala Ser Ser Arg Val Gly Tyr Met His Trp
 1 5 10

<210> 74
 <211> 120
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> VH Domain

<400> 74
 Gln Val Thr Leu Arg Glu Ser Gly Pro Ala Leu Val Lys Pro Thr Gln
 1 5 10 15
 Thr Leu Thr Leu Thr Cys Thr Phe Ser Gly Phe Ser Leu Ser Thr Ala
 20 25 30

Gly	Met	Ser	Val	Gly	Trp	Ile	Arg	Gln	Pro	Pro	Gly	Lys	Ala	Leu	Glu
		35					40					45			
Trp	Leu	Ala	Asp	Ile	Trp	Trp	Asp	Asp	Lys	Lys	Asp	Tyr	Asn	Pro	Ser
	50					55					60				
Leu	Lys	Ser	Arg	Leu	Thr	Ile	Ser	Lys	Asp	Thr	Ser	Lys	Asn	Gln	Val
65					70					75					80
Val	Leu	Lys	Val	Thr	Asn	Met	Asp	Pro	Ala	Asp	Thr	Ala	Thr	Tyr	Tyr
				85					90					95	
Cys	Ala	Arg	Asp	Met	Ile	Thr	Asn	Phe	Tyr	Phe	Asp	Val	Trp	Gly	Ala
			100					105					110		
Gly	Thr	Thr	Val	Thr	Val	Ser	Ser								
		115					120								

<210> 75
 <211> 106
 <212> PRT
 <213> Homo sapiens

Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Ser	Thr	Leu	Ser	Ala	Ser	Val	Gly
1				5					10					15	
Asp	Arg	Val	Thr	Ile	Thr	Cys	Ser	Ala	Ser	Ser	Arg	Val	Gly	Tyr	Met
			20					25					30		
His	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Leu	Leu	Ile	Tyr
		35					40					45			
Asp	Thr	Phe	Phe	Leu	Asp	Ser	Gly	Val	Pro	Ser	Arg	Phe	Ser	Gly	Ser
	50					55					60				
Gly	Ser	Gly	Thr	Glu	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Pro	Asp
65				70						75					80
Asp	Phe	Ala	Thr	Tyr	Tyr	Cys	Phe	Gln	Gly	Ser	Gly	Tyr	Pro	Phe	Thr
				85					90					95	
Phe	Gly	Gly	Gly	Thr	Lys	Val	Glu	Ile	Lys						
			100					105							

<210> 76
 <211> 10
 <212> PRT
 <213> Homo sapiens

Asp	Met	Ile	Thr	Asn	Phe	Tyr	Phe	Asp	Val
1				5					10

<210> 77
 <211> 10
 <212> PRT
 <213> Homo sapiens

Lys	Cys	Gln	Ser	Ser	Val	Gly	Tyr	Met	His
1				5					10

<210> 78
<211> 7
<212> PRT
<213> Homo sapiens

<400> 78
Asp Thr Ser Tyr Leu Ala Ser
1 5

<210> 79
<211> 16
<212> PRT
<213> Homo sapiens

<400> 79
Asp Ile Trp Trp Asp Asp Lys Lys His Tyr Asn Pro Ser Leu Lys Ser
1 5 10 15

<210> 80
<211> 10
<212> PRT
<213> Homo sapiens

<400> 80
Asp Met Ile Thr Asn Trp Tyr Phe Asp Val
1 5 10

<210> 81
<211> 10
<212> PRT
<213> Homo sapiens

<400> 81
Lys Cys Gln Ser Arg Val Gly Tyr Met His
1 5 10

<210> 82
<211> 7
<212> PRT
<213> Homo sapiens

<400> 82
Asp Thr Ser Tyr Leu Ser Ser
1 5

<210> 83
<211> 16
<212> PRT
<213> Homo sapiens

<400> 83
Asp Ile Trp Trp Asp Asp Lys Lys Asp Tyr Asn Pro Ser Leu Lys Asp
1 5 10 15

<210> 84
<211> 10
<212> PRT
<213> Homo sapiens

<400> 84
Lys Cys Gln Leu Arg Val Gly Tyr Met His
1 5 10

<210> 85
 <211> 7
 <212> PRT
 <213> Homo sapiens

 <400> 85
 Asp Thr Lys Lys Leu Ser Ser
 1 5

 <210> 86
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 86
 Lys Leu Gln Leu Ser Val Gly Tyr Met His
 1 5 10

 <210> 87
 <211> 16
 <212> PRT
 <213> Homo sapiens

 <400> 87
 Asp Ile Trp Trp Asp Asp Lys Lys His Tyr Asn Pro Ser Leu Lys Ser
 1 5 10 15

 <210> 88
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 88
 Lys Leu Gln Ser Ser Val Gly Tyr Met His
 1 5 10

 <210> 89
 <211> 16
 <212> PRT
 <213> Homo sapiens

 <400> 89
 Asp Ile Trp Trp Asp Asp Lys Lys Asp Tyr Asn Pro Ser Leu Lys Asp
 1 5 10 15

 <210> 90
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 90
 Ser Met Ile Phe Asn Trp Tyr Phe Asp Val
 1 5 10

 <210> 91
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 91
 Lys Leu Gln Ser Arg Val Gly Tyr Met His
 1 5 10

<210> 92
<211> 10
<212> PRT
<213> Homo sapiens

<400> 92
Ser Met Ile Phe Asn Phe Tyr Phe Asp Val
1 5 10

<210> 93
<211> 10
<212> PRT
<213> Homo sapiens

<400> 93
Lys Leu Gln Leu Arg Val Gly Tyr Met His
1 5 10

<210> 94
<211> 7
<212> PRT
<213> Homo sapiens

<400> 94
Asp Thr Phe Tyr Leu Ala Ser
1 5

<210> 95
<211> 16
<212> PRT
<213> Homo sapiens

<400> 95
Asp Ile Trp Trp Asp Gly Lys Lys His Tyr Asn Pro Ser Leu Lys Ser
1 5 10 15

<210> 96
<211> 16
<212> PRT
<213> Homo sapiens

<400> 96
Asp Ile Trp Trp Asp Gly Lys Lys Asp Tyr Asn Pro Ser Leu Lys Ser
1 5 10 15

<210> 97
<211> 10
<212> PRT
<213> Homo sapiens

<400> 97
Lys Leu Ser Leu Ser Val Gly Tyr Met His
1 5 10

<210> 98
<211> 7
<212> PRT
<213> Homo sapiens

<400> 98
Asp Thr Ser Lys Leu Pro Ser
1 5

<210> 99
<211> 10
<212> PRT
<213> Homo sapiens

<400> 99
Lys Leu Ser Ser Ser Val Gly Tyr Met His
1 5 10

<210> 100
<211> 7
<212> PRT
<213> Homo sapiens

<400> 100
Asp Thr Ser Gly Leu Ala Ser
1 5

<210> 101
<211> 10
<212> PRT
<213> Homo sapiens

<400> 101
Lys Leu Ser Ser Arg Val Gly Tyr Met His
1 5 10

<210> 102
<211> 7
<212> PRT
<213> Homo sapiens

<400> 102
Asp Thr Ser Gly Leu Pro Ser
1 5

<210> 103
<211> 16
<212> PRT
<213> Homo sapiens

<400> 103
Asp Ile Trp Trp Asp Asp Lys Lys Ser Tyr Asn Pro Ser Leu Lys Ser
1 5 10 15

<210> 104
<211> 10
<212> PRT
<213> Homo sapiens

<400> 104
Lys Leu Ser Leu Arg Val Gly Tyr Met His
1 5 10

<210> 105
<211> 16
<212> PRT
<213> Homo sapiens

<400> 105
Asp Ile Trp Trp Asp Asp Lys Lys Ser Tyr Asn Pro Ser Leu Lys Asp
1 5 10 15

<210> 106
<211> 10
<212> PRT
<213> Homo sapiens

<400> 106
Lys Cys Ser Leu Ser Val Gly Tyr Met His
1 5 10

<210> 107
<211> 7
<212> PRT
<213> Homo sapiens

<400> 107
Asp Thr Arg Lys Leu Ala Ser
1 5

<210> 108
<211> 16
<212> PRT
<213> Homo sapiens

<400> 108
Asp Ile Trp Trp Asp Gly Lys Lys Ser Tyr Asn Pro Ser Leu Lys Ser
1 5 10 15

<210> 109
<211> 10
<212> PRT
<213> Homo sapiens

<400> 109
Lys Cys Ser Ser Ser Val Gly Tyr Met His
1 5 10

<210> 110
<211> 7
<212> PRT
<213> Homo sapiens

<400> 110
Asp Thr Arg Gly Leu Ala Ser
1 5

<210> 111
<211> 10
<212> PRT
<213> Homo sapiens

<400> 111
Lys Cys Ser Leu Arg Val Gly Tyr Met His
1 5 10

<210> 112
<211> 7
<212> PRT
<213> Homo sapiens

<400> 112
Asp Thr Arg Lys Leu Pro Ser
1 5

<210> 113
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 113
 Lys Cys Ser Leu Arg Val Gly Tyr Met His
 1 5 10

 <210> 114
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 114
 Ser Leu Ser Leu Ser Val Gly Tyr Met His
 1 5 10

 <210> 115
 <211> 7
 <212> PRT
 <213> Homo sapiens

 <400> 115
 Asp Thr Met Lys Leu Ala Ser
 1 5

 <210> 116
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 116
 Ser Leu Ser Ser Ser Val Gly Tyr Met His
 1 5 10

 <210> 117
 <211> 7
 <212> PRT
 <213> Homo sapiens

 <400> 117
 Asp Thr Ser Arg Leu Ala Ser
 1 5

 <210> 118
 <211> 7
 <212> PRT
 <213> Homo sapiens

 <400> 118
 Asp Thr Ser Leu Leu Ala Ser
 1 5

 <210> 119
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 119
 Ser Leu Ser Leu Arg Val Gly Tyr Met His
 1 5 10

<210> 120
<211> 7
<212> PRT
<213> Homo sapiens

<400> 120
Asp Thr Ser Leu Leu Asp Ser
1 5

<210> 121
<211> 10
<212> PRT
<213> Homo sapiens

<400> 121
Ser Cys Gln Leu Ser Val Gly Tyr Met His
1 5 10

<210> 122
<211> 7
<212> PRT
<213> Homo sapiens

<400> 122
Asp Thr Ser Lys Leu Asp Ser
1 5

<210> 123
<211> 10
<212> PRT
<213> Homo sapiens

<400> 123
Ser Cys Gln Ser Ser Val Gly Tyr Met His
1 5 10

<210> 124
<211> 7
<212> PRT
<213> Homo sapiens

<400> 124
Asp Thr Leu Leu Leu Asp Ser
1 5

<210> 125
<211> 10
<212> PRT
<213> Homo sapiens

<400> 125
Ser Cys Gln Ser Arg Val Gly Tyr Met His
1 5 10

<210> 126
<211> 7
<212> PRT
<213> Homo sapiens

<400> 126
Asp Thr Leu Lys Leu Asp Ser
1 5

<210> 127
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 127
 Ser Cys Gln Leu Arg Val Gly Tyr Met His
 1 5 10

 <210> 128
 <211> 7
 <212> PRT
 <213> Homo sapiens

 <400> 128
 Asp Thr Leu Leu Leu Ala Ser
 1 5

 <210> 129
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 129
 Ser Leu Gln Leu Ser Val Gly Tyr Met His
 1 5 10

 <210> 130
 <211> 7
 <212> PRT
 <213> Homo sapiens

 <400> 130
 Asp Thr Leu Lys Leu Ala Ser
 1 5

 <210> 131
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 131
 Ser Leu Gln Ser Ser Val Gly Tyr Met His
 1 5 10

 <210> 132
 <211> 7
 <212> PRT
 <213> Homo sapiens

 <400> 132
 Asp Thr Ser Lys Leu Ser Ser
 1 5

 <210> 133
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 133
 Ser Leu Gln Ser Arg Val Gly Tyr Met His
 1 5 10

<210> 134
<211> 7
<212> PRT
<213> Homo sapiens

<400> 134
Asp Thr Ser Lys Gln Ala Ser
1 5

<210> 135
<211> 10
<212> PRT
<213> Homo sapiens

<400> 135
Ser Leu Gln Leu Arg Val Gly Tyr Met His
1 5 10

<210> 136
<211> 7
<212> PRT
<213> Homo sapiens

<400> 136
Asp Thr Ser Lys Gln Ser Ser
1 5

<210> 137
<211> 10
<212> PRT
<213> Homo sapiens

<400> 137
Ser Cys Ser Leu Ser Val Gly Tyr Met His
1 5 10

<210> 138
<211> 7
<212> PRT
<213> Homo sapiens

<400> 138
Asp Thr Ser Tyr Leu Ala Ser
1 5

<210> 139
<211> 10
<212> PRT
<213> Homo sapiens

<400> 139
Ser Cys Ser Ser Ser Val Gly Tyr Met His
1 5 10

<210> 140
<211> 7
<212> PRT
<213> Homo sapiens

<400> 140
Asp Thr Ser Tyr Leu Ser Ser
1 5

<210> 141
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 141
 Ser Cys Ser Ser Arg Val Gly Tyr Met His
 1 5 10

 <210> 142
 <211> 7
 <212> PRT
 <213> Homo sapiens

 <400> 142
 Asp Thr Ser Tyr Gln Ser Ser
 1 5

 <210> 143
 <211> 7
 <212> PRT
 <213> Homo sapiens

 <400> 143
 Asp Thr Ser Tyr Gln Ala Ser
 1 5

 <210> 144
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 144
 Ser Cys Ser Leu Arg Val Gly Tyr Met His
 1 5 10

 <210> 145
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 145
 Lys Pro Ser Ser Arg Val Gly Tyr Met His
 1 5 10

 <210> 146
 <211> 7
 <212> PRT
 <213> Homo sapiens

 <400> 146
 Asp Thr Met Tyr Gln Ala Ser
 1 5

 <210> 147
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 147
 Lys Pro Ser Leu Arg Val Gly Tyr Met His
 1 5 10

<210> 148
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 148
 Lys Pro Ser Ser Ser Val Gly Tyr Met His
 1 5 10

 <210> 149
 <211> 7
 <212> PRT
 <213> Homo sapiens

 <400> 149
 Asp Thr Met Lys Gln Ala Ser
 1 5

 <210> 150
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 150
 Lys Pro Ser Leu Ser Val Gly Tyr Met His
 1 5 10

 <210> 151
 <211> 7
 <212> PRT
 <213> Homo sapiens

 <400> 151
 Asp Thr Met Lys Gln Ser Ser
 1 5

 <210> 152
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 152
 Lys Pro Gln Ser Arg Val Gly Tyr Met His
 1 5 10

 <210> 153
 <211> 7
 <212> PRT
 <213> Homo sapiens

 <400> 153
 Asp Thr Met Tyr Leu Ala Ser
 1 5

 <210> 154
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 154
 Lys Pro Gln Leu Arg Val Gly Tyr Met His
 1 5 10

<210> 155
<211> 7
<212> PRT
<213> Homo sapiens

<400> 155
Asp Thr Met Tyr Leu Ser Ser
1 5

<210> 156
<211> 10
<212> PRT
<213> Homo sapiens

<400> 156
Lys Pro Gln Ser Ser Val Gly Tyr Met His
1 5 10

<210> 157
<211> 7
<212> PRT
<213> Homo sapiens

<400> 157
Asp Thr Met Lys Leu Ala Ser
1 5

<210> 158
<211> 10
<212> PRT
<213> Homo sapiens

<400> 158
Lys Pro Gln Leu Ser Val Gly Tyr Met His
1 5 10

<210> 159
<211> 7
<212> PRT
<213> Homo sapiens

<400> 159
Asp Thr Met Lys Leu Ser Ser
1 5

<210> 160
<211> 10
<212> PRT
<213> Homo sapiens

<400> 160
Ser Pro Ser Ser Arg Val Gly Tyr Met His
1 5 10

<210> 161
<211> 7
<212> PRT
<213> Homo sapiens

<400> 161
Asp Thr Ser Lys Leu Ser Ser
1 5

<210> 162
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 162
 Ser Pro Ser Leu Arg Val Gly Tyr Met His
 1 5 10

 <210> 163
 <211> 7
 <212> PRT
 <213> Homo sapiens

 <400> 163
 Asp Thr Arg Tyr Gln Ala Ser
 1 5

 <210> 164
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 164
 Ser Pro Ser Ser Ser Val Gly Tyr Met His
 1 5 10

 <210> 165
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 165
 Ser Pro Ser Leu Ser Val Gly Tyr Met His
 1 5 10

 <210> 166
 <211> 7
 <212> PRT
 <213> Homo sapiens

 <400> 166
 Asp Thr Arg Lys Gln Ala Ser
 1 5

 <210> 167
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 167
 Ser Pro Gln Ser Arg Val Gly Tyr Met His
 1 5 10

 <210> 168
 <211> 7
 <212> PRT
 <213> Homo sapiens

 <400> 168
 Asp Thr Arg Lys Gln Ser Ser
 1 5

<210> 169
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 169
 Ser Pro Gln Leu Arg Val Gly Tyr Met His
 1 5 10

 <210> 170
 <211> 7
 <212> PRT
 <213> Homo sapiens

 <400> 170
 Asp Thr Arg Lys Leu Ala Ser
 1 5

 <210> 171
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 171
 Ser Pro Gln Ser Ser Val Gly Tyr Met His
 1 5 10

 <210> 172
 <211> 7
 <212> PRT
 <213> Homo sapiens

 <400> 172
 Asp Thr Arg Lys Leu Ser Ser
 1 5

 <210> 173
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 173
 Ser Pro Gln Leu Ser Val Gly Tyr Met His
 1 5 10

 <210> 174
 <211> 7
 <212> PRT
 <213> Homo sapiens

 <400> 174
 Asp Thr Arg Tyr Leu Ala Ser
 1 5

 <210> 175
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 175
 Lys Ala Gln Ser Arg Val Gly Tyr Met His
 1 5 10

<210> 176
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 176
 Lys Ala Gln Leu Arg Val Gly Tyr Met His
 1 5 10

 <210> 177
 <211> 7
 <212> PRT
 <213> Homo sapiens

 <400> 177
 Asp Thr Arg Tyr Leu Ser Ser
 1 5

 <210> 178
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 178
 Lys Ala Gln Ser Ser Val Gly Tyr Met His
 1 5 10

 <210> 179
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 179
 Lys Ala Gln Leu Ser Val Gly Tyr Met His
 1 5 10

 <210> 180
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 180
 Lys Ala Ser Ser Arg Val Gly Tyr Met His
 1 5 10

 <210> 181
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 181
 Lys Ala Ser Leu Arg Val Gly Tyr Met His
 1 5 10

 <210> 182
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 182
 Lys Ala Ser Ser Ser Val Gly Tyr Met His
 1 5 10

<210> 183
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 183
 Lys Ala Ser Leu Ser Val Gly Tyr Met His
 1 5 10

 <210> 184
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 184
 Ser Ala Ser Leu Arg Val Gly Tyr Met His
 1 5 10

 <210> 185
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 185
 Ser Ala Ser Leu Ser Val Gly Tyr Met His
 1 5 10

 <210> 186
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 186
 Ser Ala Gln Ser Arg Val Gly Tyr Met His
 1 5 10

 <210> 187
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 187
 Ser Ala Gln Leu Arg Val Gly Tyr Met His
 1 5 10

 <210> 188
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 188
 Ser Ala Gln Ser Ser Val Gly Tyr Met His
 1 5 10

 <210> 189
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 189
 Leu Pro Ser Leu Ser Val Gly Tyr Met His
 1 5 10

<210> 190
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 190
 Leu Pro Ser Ser Ser Val Gly Tyr Met His
 1 5 10

 <210> 191
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 191
 Leu Pro Ser Leu Arg Val Gly Tyr Met His
 1 5 10

 <210> 192
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 192
 Leu Cys Ser Ser Arg Val Gly Tyr Met His
 1 5 10

 <210> 193
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 193
 Leu Cys Ser Leu Ser Val Gly Tyr Met His
 1 5 10

 <210> 194
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 194
 Leu Cys Ser Ser Ser Val Gly Tyr Met His
 1 5 10

 <210> 195
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 195
 Leu Cys Ser Leu Arg Val Gly Tyr Met His
 1 5 10

 <210> 196
 <211> 10
 <212> PRT
 <213> Homo sapiens

 <400> 196
 Leu Pro Gln Ser Arg Val Gly Tyr Met His
 1 5 10

<210> 197
<211> 10
<212> PRT
<213> Homo sapiens

<400> 197
Leu Pro Gln Leu Ser Val Gly Tyr Met His
1 5 10

<210> 198
<211> 10
<212> PRT
<213> Homo sapiens

<400> 198
Leu Pro Gln Ser Ser Val Gly Tyr Met His
1 5 10

<210> 199
<211> 10
<212> PRT
<213> Homo sapiens

<400> 199
Leu Pro Gln Leu Arg Val Gly Tyr Met His
1 5 10

<210> 200
<211> 10
<212> PRT
<213> Homo sapiens

<400> 200
Leu Cys Gln Ser Arg Val Gly Tyr Met His
1 5 10

<210> 201
<211> 10
<212> PRT
<213> Homo sapiens

<400> 201
Leu Cys Gln Leu Ser Val Gly Tyr Met His
1 5 10

<210> 202
<211> 10
<212> PRT
<213> Homo sapiens

<400> 202
Leu Cys Gln Ser Ser Val Gly Tyr Met His
1 5 10

<210> 203
<211> 10
<212> PRT
<213> Homo sapiens

<400> 203
Leu Cys Gln Leu Arg Val Gly Tyr Met His
1 5 10

<210> 204
<211> 10
<212> PRT
<213> Homo sapiens

<400> 204
Ser Ala Gln Leu Ser Val Gly Tyr Met His
1 5 10